

November 25, 2006

TO: Larry Cardman JLAB
 Steve Kuhlmann ANL/HEP
 Jerry Nolen ANL/PHY
 Heidi Schellman Northwestern University

FROM: Don Geesaman Director/PHY

SUBJECT: Review of FNAL E906

Thank you for agreeing to participate as a reviewer in the Physics Division's Technical, Cost, Schedule and Management Review of the FNAL E906 experiment. This review is scheduled for December 11, 2006, at Argonne National Laboratory. Heidi Schellman has agreed to chair the review committee.

The scientific case for this Drell-Yan experiment to study the anti-quark distributions in nucleons and nuclei was recently reviewed by the FNAL Program Advisory Committee and their report is attached. Each committee member is being asked to evaluate and comment on any relevant aspect of the E906 project. However, the focus of this review will be on base-lining the technical scope, cost, schedule and management of the experiment to assure the Division and DOE that all elements have been considered and that it is ready to move forward. The following main topics will be considered at the review:

- a. The soundness of the technical approach for accomplishing the physics goals;
- b. The status of the technical design, including completeness of technical design and scope, feasibility and merit of technical approach;
- c. The feasibility and completeness of the proposed budget, schedule and management, including availability of manpower;
- d. Other issues relating to E906.

I ask that the committee provide me a consensus summary report within three weeks after completion of the review. This report will be shared with DOE and FNAL. While I am charging this review as Director of the Physics Division, I do have a conflict of interest as co-spokesman of the experiment. We have also invited both DOE and NSF representatives to sit in on the review as observers.

The collaboration has been asked to provide relevant background materials prior to the review. This documentation, along with the agenda, will be distributed in the near future. If you have any questions about the review, please contact me at (630) 252-4004, or by E-mail: geesaman@anl.gov. If you have any questions regarding local travel or lodging, please contact Barb Fletcher at (603) 252-4004, or E-mail: Fletcher@anl.gov.

I greatly appreciate your willingness to assist us in this review. I look forward to a very informative and stimulating review at ANL.